THE CANADIAN VETERINARY JOURNAL

VOLUME XX

JANUARY TO DECEMBER, 1979

AUTHOR INDEX

ABREO, C.B., 233
ANGULO, A.B., 207

BABIUK, L.A., 58
BARBER, S.M., 165
BARIL, J., 216
BARRETT, M.W., 105
BASRUR, P.K., 304
BERNARD, M.A., 82
BINNS, M., 318
BLACK, W.D., 354
BLAKLEY, B.R., 358
BLOOD, D.C., 341
BOURQUE, R., 315
BRADLEY, J.A., 186, 227
BRETON, L., 237
BROCKMAN, R.P., 121
BUNDZA, A., 53
BURT, A.D., 250

CARLSON, H.C., 70, 74
CARMAN, S., 28
CARPIO, M.M., 127
CÉCYRE, A., 216
CHALMERS, G.A., 105
CHEW, K., 291
CHICK, B.F., 84
CHURCH, T.L., 41
CLARK, E.G., 261
CLAXTON, M.J., 354
COBO-ABREU, R., 177, 191
COTE, J.F., 131
COUSINEAU, G., 21
CURTIS, R.A., 131, 141

DECAIRE, M. (KOTVA), 105
DEFOREST, M.E., 304
DERBYSHIRE, J.B., 207
DEWITT, W., 348
DION, W.M., 221
DOIG, P.A., 89, 354
DORWARD, W.J., 227
DULAC, G.C., 318, 337
DULISCH, MARY L., 326

EAGLESOME, M.D., 145, 201
ELLIOT, J.I., 157
EMPRINGHAM, R.E., 112
ENWEANI, C.C., 261

FISH, N.A., 143
FRETZ, P.B., 58

GAGNON, A., 22, 176, 337
GAMMIE, J.S., 249, 250
GARCIA, M.M., 201
GILL, C.W., 273
GOLTZ, J., 176
GOSSELIN, Y., 315
GREEN, P.D., 8, 364
GREIG, A.S., 53
GUAY, P., 62

HALLE, G., 242
HAMILTON, G.F., 113
HANSON, J., 161
HARMESON, J., 143
HARRIES, W.N., 223
HARRIS, F.W., 130
HAYES, M.A., 126
HEATH, B., 195
HENRY, J.N.R., 145
HIGGINS, R., 279, 315
HOLMBERG, D.L., 78
HOLMES, B., 176
HOQUET, F., 315
HOWELL, J., 161
HUNT, P., 361
HUNTER, B., 116, 176

IDE, P.R., 35, 348
IVERSEN, J.O., 127

JANZEN, E.D., 41
JERICHO, K.W.F., 333
JOHNSON, S.E., 335
JOHNSTONE, I.B., 211
JULIAN, R.J., 70, 74

KERNAN, FAYE, 293
KHANNA, A.K., 26
KHIANEY, N.K., 26
KIERSTEAD, M., 199
KING, G.J., 157, 233
KOHLI, R.N., 26

LAMOTHE, P., 62, 237
LAROUCHE, Y., 237
LEE, E.H., 102
LEE, J.Y.S., 65
LEWIS, R.J., 126
LITTLE, P.B., 13
LONG, J.R., 12
LOTZ, F., 211
LUMSDEN, J.H., 28, 95

MACKAY, A.L., 89, 354
MALO, R., 237, 279
MARCOUX, M., 242
MARSOLAIS,G., 237
MARTIN, S.W., 131, 177, 191, 336
MAXIE, M.G., 215
MCCREADY, R., 22
MCKERLICK, L., 118
MCKNIGHT, J.D., 145
MCLAUGHLIN, B., 58
MCMILLAN, I., 233, 284
MEJIA, E.B., 28
MENARD, L., 242
MIDDLETON, D.M., 2
MILLS, J.N., 95
MONTPETIT, C., 237
MORIN, M., 216
MOTEANE, M., 2
MUELLER, R.W., 126

NADEAU, D., 279
NAYAR, P.S.G., 361
NIILO, L., 227
NIMMO-WILKIE, J.S., 49, 164
NOWELL, I., 226

ONDERKA, D., 176
ONONIWU, J.C., 70, 74
OSBORNE, A.D., 261

PALMER, N.C., 89, 199
PAQUETTE, J.G., 279
PATTERSON, J.M., 244
PAUL, M., 279
PICARD, B., 279
POLLEY, L.R., 2
POST, K., 45, 109
POVEY, R.C., 253
PRASAD, B., 26
PRESCOTT, J.F., 175
PRESNELL, K.R., 78, 196
PUKAY, B.P., 117, 226

QUINE, J.R., 220

RADOSTITS, O.M., 41, 261
REEDS, C.R., 233
ROBERTSON, H.A., 157
RUHNKE, H.L., 89
RUNGE, W., 323
RUSSELL, R.G., 126

SAINT-PIERRE, H., 237
SANDALS, W.C.D., 131, 141
SANFORD, E., 22
SAUNDERS, J.R., 45
SAVAN, M., 207
SINGH, J., 26
SISODIA, C.S., 41
SLOCOMBE, J.O.D., 136, 284
SMITH, G., 112, 140
SMITH, H.J., 184
SPEARMAN, J.G., 361
SPECKMANN, G.W., 53
STOCKDALE, P.H.G., 223
STONE, J.B., 177, 191

THEEDE, A., 261
THOMSON, G.W., 22
THOMSON, R.G., 70, 74, 141
TIZARD, I.R., 143

UDENBERG, T., 269

VALLI, V.E.O., 95
VOKATY, S., 149

WEISS, C.W., 190
WILCOCK, B.P., 244
WILKINS, J.N., 112
WILLOUGHBY, R.A., 177, 191
WILSON, M.R., 65
WILSON, R.W., 199
WITHROW, STEPHEN J., 326
WOBESER, G., 323

YATES, W.D.G., 261

ZACHAR, C.J., 105
ZUBAIDY, A.J., 175

THE CANADIAN VETERINARY JOURNAL

VOLUME XX

JANUARY TO DECEMBER, 1979

SUBJECT INDEX

ACV, *voyez* CVMA

Animal Behaviour
- Understanding animal behaviour. Quine, J.P., 220

Avian Species
- Free flying sparrows as carriers of salmonellosis. Tizard, I.R., Fish, N.A. and Harmeson, J., 143
- Infectious bursal agent vaccination of chicks from infectious bursal agent-vaccinated dams. Ide, P.R., 35
- Malaysian experience with animal disease. Little, P.B., 13
- Pathological studies of "sudden death syndrome" in broiler chickens. Ononiwu, J.C., Thomson, R.G., Carlson, H.C. and Julian, R.J., 70
- Serological incidence of avian reovirus infection in broiler-breeders and progeny in Nova Scotia. Ide, P.R. and DeWitt, W., 348
- Single and low-level oocyst infections of drug-resistant field strains of *Eimeria tenella* in medicated birds. Lee, Eng-Hong, 102
- Studies on effect of lighting on "sudden death syndrome" in broiler chickens. Ononiwu, J.C., Thomson, R.G., Carlson, H.C. and Julian, R.J., 74
- Suspected reticuloendotheliosis in turkeys with cutaneous lesions reminiscent of fowl pox. Hanson, J. and Howell, J., 161
- Viral hepatitis in budgerigars in southern Ontario. Hunter, B., Gagnon, A., Onderka, D., Goltz, J. and Holmes, B., 176

Book Reviews
- Aids to Nursing Small Animals and Birds. 2nd Edition. Edited by J.S. Heath, 365
- Anatomy of the Domestic Birds. R. Nickel, A. Schummer and E. Seiferle, 272
- Atlas of Topographical Surgical Anatomy of the Dog. K. Ammann, E. Seiferle and G. Pelloni, 353
- Behaviour of Captive Wild Animals. Edited by Hal Markowitz and Victor J. Stevens, 251
- Developments in Biological Standardization of Rabies Vaccines for Human Use Produced in Tissue Culture (Rabies III). Volume 40. 278
- Diphyllobothriasis in Man. Bertel von Bonsdorff, 210
- Diseases of Poultry. Third Edition. Paul Hilbrich, 27
- Dog Crisis, The. Iris Nowell, 118
- Dukes' Physiology of Domestic Animals. Ninth Edition. Edited by M.J. Swenson, 87
- Future of Animals, Cells, Models and Systems in Research, Development, Education and Testing, The. Edited by the National Research Council, 119
- Infections and Pregnancy. Edited by C.R. Coid, 303
- Nursery Care of Non-human Primates. Edited by Gerald C. Ruppenthal and Dorothy J. Reese, 365
- Physiology of Reproduction and Artificial Insemination of Cattle. Second Edition. G.W. Salisbury, H.L. Van Denmark and J.R. Lodge, 360
- Rabies: the Facts You Need to Know. G.N. Henderson and Kay White, 287
- Vertebrate Limb and Somite Morphogenesis. Edited by D.A. Ede, J.R. Hinchcliffe and M. Balls, 156
- Vet in the Saddle. Franklin M. Loew and Edward H. Wood, 365

Bovine, *see* Cattle

Canadian Veterinary Medical Association
- CVMA and animal health technicians. Hamilton, G.F., 113
- Canadian veterinarians and international development. Maxie, M.G., 215
- Message au président, 1, 339
- President's message, 1, 339

Cats
- Cat and small dog insulin diluent. Weiss, C.W., 190
- Cat and small dog insulin diluent — a correction. Johnson, S.E., 335
- Cyclical changes of vaginal cytology in the cat. Mills, Jennifer N., Valli, V.E. and Lumsden, J.H., 95
- Efficacy of two commercial feline rhinotracheitis-calicivirus-panleukopenia vaccines. Povey, R.C., 253
- Feline urological syndrome. Post, K., 109
- Hyperglycemia-glucosuria syndrome in cats following megestrol acetate therapy. Pukay, B.P., 117
- Laboratory diagnosis of rabies in western Canada (1968-1977). Bradley, J.A., 186
- Malaysian experience with animal disease. Little, P.B., 13
- Malformations and the Manx syndrome in cats. DeForest, M.E., and Basrur, P.K., 304
- Progesterone therapy for cats. Nimmo-Wilkie, Judith S., 164
- Ringworm fungi: more on specimen collection and isolation results. Long, J.R., 12
- *Yersinia pseudotuberculosis* infection in a cat. Spearman, J.G., Hunt, P. and Nayar, P.S.G., 361

Cattle
- Abomasal involvement in bovine diaphragmatic hernia and surgical management. Prasad, B., Singh, Jit, Khanna, A.K., Khianey, N.K. and Kohli, R.N., 26
- Actions ecolique et hormonale de la prostaglandine F_2a synthétique lors de momification foetale chez deux vaches Holstein. Guay, P. et Lamothe, P., 62

Association between disease, production and culling in a university dairy herd. Cobo-Abreu, R., Martin, S.W., Willoughby, R.A. and Stone, J.B., 191
Atypical interstitial pneumonia in cattle. Curtis, R.A., Thomson, R.G. and Sandals, W.C.D., 141
Blood levels of sulfamethazine achieved in beef calves on medicated drinking water. Church, T.L., Janzen, E.D., Sisodia, C.S. and Radostits, O.M., 41
Bovine granular vulvitis associated with ureaplasma infection. Doig, P.A., Ruhnke, H.L., MacKay, A.L. and Palmer, N.C., 89
Bovine mastitis due to *Prototheca zopfi.* Dion, W.M., 221
Bruce County beef cattle project: factors related to mortality. Martin, W., 336
Corynebacterium equi lymphadenitis in Ontario cattle. Prescott, J.F. and Zubaidy, A.J., 175
Effect of retained placenta and metritis complex on reproductive performance in dairy cattle — a case control study. Sandals, W.C.D., Curtis, R.A., Cote, J.F. and Martin, S.W., 131
Effects of increasing concentrations of minocin on the motility of bovine spermatozoa processed in various extenders. Abreo, C.B., King, G.J., McMillan, I. and Reeds, C.R., 233
Hémoglobinurie puerpérale dans un troupeau laitier du Québec. Cécyre, A., Baril, J. et Morin, M., 216
Infection à *Dermatophilus congolensis* chez une vache laitière au Québec. Higgins, R., Paul, M., Malo, R., Picard, B., Paquette, J.G. et Nadeau, D., 279
Interferon, antibody responses and protection induced by an intranasal infectious bovine rhinotracheitis vaccine. Savan, M., Angulo, A.B. and Derbyshire, J.B., 207
Isolement du virus de la rhino-trachéite infectieuse bovine à partir du liquide synovial du tarse d'un taureau. Lamothe, P., Larouche, Y., Marsolais, G., Montpetit, C., Breton, L., Malo, R. et Saint-Pierre, H., 237
Malaysian experience with animal disease. Little, P.B., 13
Myopathy and myoglobinuria in feedlot cattle. Chalmers, G.A., DeCaire, M. (Kotva), Zachar, C.J. and Barrett, M.W., 105
Rates and patterns of survivorship and disease in a university dairy herd. Cobo-Abreu, R., Martin, S.W., Stone, J.B. and Willoughby, R.A., 177
Roles for insulin and glucagon in the development of ruminant ketosis — A review. Brockman, R.P., 121
Some observations on serum gammaglobulin concentrations in suckled beef calves. Bradley, J.A., Niilo, L. and Dorward, W.J., 227
Study of drug residues in milk following intrauterine infusion of antibacterial drugs in lactating cows. Black, W.D., MacKay, A.L., Doig, P.A. and Claxton, M.J., 354
Treatment of feedlot cattle in Alberta for gastrointestinal nematodes. Stockdale, P.H.G. and Harries, W.N., 223
Understanding animal behaviour. Quine, J.P., 220
Update on pasteurellosis in young cattle. Jericho, K.W.F., 333

Congenital Defects

Inherited platelet function defect in Basset Hounds. Johnstone, I.B. and Lotz, F., 211
Familial glomerulonephritis in Doberman Pinscher dogs. Wilcock, B.P. and Patterson, J.M., 244
Malformations and the Manx syndrome in cats. DeForest, M.E. and Basrur, P.K., 304
Vascular ring anomalies. Holmberg, D.L. and Presnell, K.R., 78

Diseases

Abomasal involvement in bovine diaphragmatic hernia and surgical management. Prasad, B., Singh, Jit, Khanna, A.K., Khianey, N.K. and Kohli, R.N., 26
Abortion in swine associated with *Actinomyces* spp. Palmer, N.C., Kierstead, M. and Wilson, R.W., 199
Acute abdomen produced by torsion of a retained testicle in a Boxer. McKerlick, L., 118
Atypical interstitial pneumonia in cattle. Curtis, R.A., Thomson, R.G. and Sandals, W.C.D., 141
Aujeszky's disease in native sows of Canada, serological survey for. Dulac, G.C. and Binns, M., 318
Avian reovirus infection in broiler breeders and progeny in Nova Scotia, serological incidence of. Ide, P.R. and DeWitt, W., 348
Bovine mastitis due to *Prototheca zopfi.* Dion, W.M., 221
Brucella canis in dogs in the province of Quebec, serological survey for. Higgins, R., Hoquet, F., Bourque, R. et Gosselin, Y., 315
Colic associated with sand impaction of the large colon, equine. Udenberg, T., 269
Comminuted distal femoral fracture in a dog, surgical repair of. Presnell, K.R., 196
Contagious equine metritis. Eaglesome, M.D. and Garcia, M.M., 201
Corynebacterium equi lymphadenitis in Ontario cattle. Prescott, J.F. and Zubaidy, A.J., 175
Cutaneous melanoma in Hampshire swine. Empringham, R.E. and Wilkins, J.N., 112
Dermatophilus congolensis chez une vache laitière au Québec, infection à. Higgins, R., Paul, M., Malo, R., Picard, B., Paquette, J.G. et Nadeau, D., 279
Equine herpesvirus 1 infection in mares vaccinated with a live-virus rhinopneumonitis vaccine attenuated in cell culture. Eaglesome, M.D., Henry, J.N.R. and McKnight, J.D., 145
Equine respiratory disease on the western Canadian racetracks. Fretz, P.B., Babuik, L.A. and McLaughlin, B., 58
Feline rhinotracheitis-calicivirus-panleukopenia vaccines, efficacy of two commercial. Povey, R.C., 253
Fibrocartilaginous embolic myelopathy in a dog. Gill, C.W., 273
Glomerulonephritis in Doberman Pinscher dogs, familial. Wilcock, B.P. and Patterson, J.M., 244
Granular vulvitis associated with ureaplasma infection, bovine. Doig, P.A., Ruhnke, H.L., MacKay, A.L. and Palmer, N.C., 89
Heartworm in dogs in Canada in 1978. Slocombe, J.O.D. and McMillan, I., 284

Hémoglobinurie puerpérale dans un troupeau laitier du Québec. Cécyre, A., Baril, J. et Morin, M., 216
Hyperglycemia-glucosuria syndrome in cats following megestrol acetate therapy. Pukay, B.P., 117
Infectious bursal agent vaccination of chicks from infectious bursal agent-vaccinated dams. Ide, P.R., 35
Ischaemic embolic myelopathy in a Labrador crossbred dog. Chick, B.F., 84
Macroglobulinemia in a dog. Mejia, E.B., Carman, S. and Lumsden, J.H., 28
Myocarditis in young dogs associated with parvovirus-like agent. Hayes, M.A., Russell, R.G., Mueller, R.W. and Lewis, R.J., 126
Myopathy and myoglobinuria in feedlot cattle. Chalmers, G.A., DeCaire, M. (Kotva), Zachar, C.J. and Barrett, M.W., 105
Osteodystrophia fibrosa cystica in a horse, possible case of. Menard, L., Marcoux, M. and Halle, G., 242
Osteolytic osteosarcoma in a German Shepherd bitch. Bundza, A., Greig, A.S. and Speckmann, G.W., 53
Pasteurellosis in young cattle, update on. Jericho, K.W.F., 333
Polioencephalomalacia in white-tailed deer *Odocoileus virginianus* in Saskatchewan. Woebeser, G. and Runge, W., 323
Porcine parvovirus infection in Ontario: incidence and diagnosis in herds with reproductive failures. Gagnon, A. and Dulac, G.C., 337
Proliferative hemorrhagic enteropathy in swine. Yates, W.D.G., Clark, E.G., Osborne, A.D., Enweani, C.C., Radostits, O.M. and Theede, A., 261
Pseudorabies (Aujeszky's disease) in pigs. Lee, J.Y.S. and Wilson, M.R., 65
Rabies, classification of vaccination status of dogs urged. Chew, K., 291
Rabies in western Canada (1968-1977), laboratory diagnosis of. Bradley, J.A., 186
Retained placenta and metritis complex, effect on reproductive performance in dairy cattle. Sandals, W.C.D., Curtis, R.A., Cote, J.F. and Martin, S.W., 131
Reticuloendotheliosis in turkeys with cutaneous lesions reminiscent of fowl pox, suspected. Hanson, J. and Howell, J., 161
Rhino-trachéite infectieuse bovine à partir du liquide synovial du tarse d'un taureau, isolement du virus de la. Lamothe, P., Larouche, Y., Marsolais, G., Montpetit, C., Breton, L., Malo, R. et Saint-Pierre, H., 237
Ringworm fungi: more on specimen collection and isolation results. Long, J.R., 12
Ringworm in guinea pigs, topical treatment of experimental, with griseofulvin in dimethylsulfoxide. Post, K. and Saunders, J.R., 45
Ruminant ketosis, roles for insulin and glucagon in the development of. Brockman, R.P., 121
Salmonellosis, free flying sparrows as carriers of. Tizard, I.R., Fish, N.A. and Harmeson, J., 143
Spinal fractures in the dog, use of plastic plates for fixation of. Dulisch, Mary L. and Withrow, S.J., 326
Sudden death syndrome in broiler chickens, pathological studies of. Ononiwu, J.C., Thomson, R.G., Carlson, H.C. and Julian, R.J., 70
Sudden death syndrome in broiler chickens, studies on effect of lighting on. Ononiwu, J.C., Thomson, R.G., Carlson, H.C. and Julian, R.J., 74
Toxoplasma abortion in a young sow, isolated, spontaneous. Hunter, B., 116
Torsion of the uterus — a cause of colic in the mare. Barber, S.M., 165
Urological syndrome, feline. Post, K., 109
Verminous pneumonia (*Muellerius* sp.) in goats. Nimmo, Judith, S., 49
Viral hepatitis in budgerigars in southern Ontario. Hunter, B., Gagnon, A., Onderka, D., Goltz, J. and Holmes, B., 176
Yersinia pseudotuberculosis infection in a cat. Spearman, J.G., Hunt, P. and Nayar, P.S.G., 361

Disease Statistics

Association between disease, production and culling in a university dairy herd. Cobo-Abreu, R., Martin, S.W., Willoughby, R.A. and Stone, J.B., 191
Bruce County beef cattle project: factors related to mortality. Martin, W., 336
Heartworm in dogs in Canada in 1978. Slocombe, J.O.D. and McMillan, I., 284
Laboratory diagnosis of rabies in western Canada (1968-1977). Bradley, J.A., 186
Livestock disease survey from auction mart inspection in Saskatchewan. Blakley, B.R., 358
Malaysian experience with animal disease. Little, P.B., 13
Porcine parvovirus infection in Ontario: incidence and diagnosis in herds with reproductive failures. Gagnon, A.N. and Dulac, G.C., 337
Rates and patterns of survivorship and disease in a university dairy herd. Cobo-Abreu, R., Martin, S.W., Stone, J.B. and Willoughby, R.A., 177
Serological incidence of avian reovirus infection in broiler-breeders and progeny in Nova Scotia. Ide, P.R. and DeWitt, W., 348
Serological survey for Aujeszky's disease in native sows of Canada. Dulac, G.C. and Binns, M., 318
Serological survey for *Brucella canis* in dogs in the province of Quebec. Higgins, R., Hoquet, F., Bourque, R. and Gosselin, Y., 315
Serological survey of *Leptospira interrogans* serotype *pomona* in Saskatchewan horses. Carpio, M.M. and Iversen, J.O., 127
Survey of disease conditions in adult and feeder sheep in Saskatchewan. Moteane, M., Middleton, D.M. and Polley, L.R., 2

Dogs

Cat and small dog insulin diluent. Weiss, C.W., 190
Cat and small dog insulin diluent — a correction. Johnson, S.E., 335
Familial glomerulonephritis in Doberman Pinscher dogs. Wilcock, B.P. and Patterson, J.M., 244
Fibrocartilaginous embolic myelopathy in a dog. Gill, C.W., 273
"For not looking than not knowing". Gammie, J.S., 249
Heartworm in dogs in Canada in 1978. Slocombe, J.O.D. and McMillan, I., 284
Inherited platelet function defect in Basset Hounds. Johnstone, I.B. and Lotz, F., 211

Ischaemic embolic myelopathy in a Labrador cross-bred dog. Chick, B.F., 84
Laboratory diagnosis of rabies in western Canada (1968-1977). Bradley, J.A., 186
Macroglobulinemia in a dog. Mejia, E.B., Carman, S. and Lumsden, J.H., 28
Malaysian experience with animal disease. Little, P.B., 13
Mushroom poisoning in a dog. Bernard, M.A., 82
Myocarditis in young dogs associated with a parvo-virus-like agent. Hayes, M.A., Russell, R.G., Mueller, R.W. and Lewis, R.J., 126
Osteolytic osteosarcoma in a German Shepherd bitch. Bundza, A., Greig, A.S. and Speckmann, G.W., 53
Ringworm fungi: more on specimen collection and isolation results. Long, J.R., 12
Serological survey of *Brucella canis* in dogs in the province of Quebec. Higgins, R., Hoquet, F., Bourque, R. and Gosselin, Y., 315
Surgical repair of a comminuted distal femoral fracture in a dog. Presnell, K.R., 196
Understanding animal behavior. Quine, J.P., 220
Unusual case of acute abdomen produced by torsion of a retained testicle in a Boxer. McKerlick, L., 118
Use of plastic plates for fixation of spinal fractures in the dog (A report of two cases). Dulisch, Mary L. and Withrow, S.J., 326
Vascular ring anomalies: case report and brief review. Holmberg, D.L. and Presnell, K.R., 78

Equine, *see* Horses

Feline, *see* Cats

Horses

Contagious equine metritis: A review. Eaglesome, M.D., and Garcia, M.M., 201
Equine colic associated with sand impaction of the large colon. Udenberg, T., 269
Equine herpesvirus 1 infection in mares vaccinated with a live-virus rhinopneumonitis vaccine attenuated in cell culture. Eaglesome, M.D., Henry, J.N.R. and McKnight, J.D., 145
Equine respiratory disease on the western Canadian racetracks. Fretz, P.B., Babiuk, L.A. and McLaughlin, B., 58
Laboratory diagnosis of rabies in western Canada (1968-1977). Bradley, J.A., 186
Malaysian experience with animal disease. Little, P.B., 13
Outbreak of herpesvirus myeloencephalitis in vaccinated horses. Thomson, G.W., McCready, R., Sanford, E. and Gagnon, A., 22
Possible case of osteodystrophia fibrosa cystica in a horse. Menard, L., Marcoux, M. and Halle, G., 242
Prevalence and treatment of tapeworms in horses. Slocombe, J.O.D., 136
Serological survey of *Leptospira interrogans* serotype *pomona* in Saskatchewan horses. Carpio, M.M. and Iversen, J.O., 127
Torsion of the uterus — a cause of colic in the mare. Barber, S.M., 165

Laboratory Animals

Topical treatment of experimental ringworm in guinea pigs with griseofulvin in dimethylsulfoxide. Post, K. and Saunders, J.R., 45

Letters to the Editor

Abortion in swine associated with *Actinomyces* spp. Palmer, N.C., Kierstead, M. and Wilson, R.W., 199
Author of "The Dog Crisis" lists her credentials. Iris Nowell, 226
Bruce County beef cattle project: factors related to mortality. Martin, W., 336
Canadian veterinarians and international development. Maxie, M.G., 215
Cat and small dog insulin diluent. Weiss, C.W., 190
Cat and small dog insulin diluent — a correction. Johnson, S.E., 335
Clarification of vaccination status of dogs urged. Chew, K., 291
Corynebacterium equi lymphadenitis in Ontario cattle. Prescott, J.F., and Zubaidy, A.J., 175
Cutaneous melanoma in Hampshire swine. Empringham, R.E. and Wilkins, J.N., 112
Drug purchasing cooperative. Harris, F.W., 130
Egg binding in a western painted turtle. Gammie, J.S. and Burt, A.D., 250
"For not looking than not knowing". Gammie, J.S., 249
Handyman's suction apparatus. Smith, G., 140
Hyperglycemia-glucosuria syndrome in cats following megestrol acetate therapy. Pukay, B.P., 117
Isolated, spontaneous *Toxoplasma* abortion in a young sow. Hunter, B., 116
Letters to the editor to contain practice information. Smith, G., 112
Myocarditis in young dogs associated with a parvo-virus-like agent. Hayes, M.A., Russell, R.G., Mueller, R.W. and Lewis, R.J., 126
Negative image projected. Heath, B., 195
Plea for broader advertising of positions in international veterinary medicine. Green, P.D., 364
Porcine parvovirus infection in Ontario: incidence and diagnosis in herds with reproductive failures. Gagnon, A.N. and Dulac, G.C., 337
Progesterone therapy for cats. Nimmo-Wilkie, Judith, S., 164
Résponse à la lettre à l'éditeur du Dr Lord. Cousineau, Guy, 21
Reviewer of "The Dog Crisis" replies. Pukay, B.P., 226
Ringworm fungi: more on specimen collection and isolation results. Long, J.R., 12
Understanding animal behaviour. Quine, J.P., 220
Unusual case of acute abdomen produced by torsion of a retained testical in a Boxer. McKerlick, L., 118
Viral hepatitis in budgerigars in southern Ontario. Hunter, B., Gagnon, A., Onderka, D., Goltz, J. and Holmes, B., 176

Microbiology

Actinomyces spp, abortion in swine associated with. Palmer, N.C., Kierstead, M. and Wilson, R.W., 199
Aujeszky's disease in native sows of Canada, serological survey for. Dulac, G.C. and Binns, M., 318
Avian reovirus infection in broiler-breeders and

progeny in Nova Scotia, serological incidence of. Ide, P.R. and DeWitt, W., 348
Bovine granular vulvitis associated with ureaplasma infection. Doig, P.A., Ruhnke, H.L., MacKay, A.L. and Palmer, N.C., 89
Brucella canis in dogs in the province of Quebec, serological survey for. Higgins, R., Hoquet, F., Bourque, R. et Gosselin, Y., 315
Contagious equine metritis. Eaglesome, M.D. and Garcia, M.M., 201
Corynebacterium equi lymphadenitis in Ontario cattle. Prescott, J.F. and Zubaidy, A.J., 175
Dermatophilus congolensis chez une vache laitière au Quebec, infection à. Higgins, R., Paul, M., Malo, R., Picard, B., Paquette, J.G. et Nadeau, D., 279
Equine herpesvirus 1 infection in mares vaccinated with a live-virus rhinopneumonitis vaccine attenuated in cell culture. Eaglesome, M.D., Henry, J.N.R. and McKnight, J.D., 145
Equine respiratory disease on the western Canadian racetracks. Fretz, P.B., Babiuk, L.A. and McLaughlin, B., 58
Herpesvirus myeloencephalitis in vaccinated horses, an outbreak of. Thomson, G.W., McCready, R., Sanford, E. and Gagnon, A., 22
Infectious bovine rhinotracheitis vaccine, interferon, antibody responses and protection induced by an intranasal. Savan, M., Angulo, A.B. and Derbyshire, J.B., 207
Infectious bursal agent vaccination of chicks from infectious bursal agent-vaccinated dams. Ide, P.R., 35
Leptospira interrogans serotype *pomona* in Saskatchewan horses, serological survey of. Carpio, M.M. and Iversen, J.O., 127
Parvovirus-like agent, myocarditis in young dogs associated with a. Hayes, M.A., Russell, R.G., Mueller, R.W. and Lewis, R.J., 126
Pasteurellosis in young cattle, update on. Jericho, K.W.F., 333
Prototheca zopfi, bovine mastitis due to. Dion, W.M., 221
Pseudorabies (Aujeszky's disease) in pigs. Lee, J.Y.S. and Wilson, M.R., 65
Rabies in western Canada (1968-1977), laboratory diagnosis of. Bradley, J.A., 186
Reticuloendotheliosis in turkeys with cutaneous lesions reminiscent of fowl pox, suspected. Hanson, J. and Howell, J., 161
Rhino-trachéite infectieuse bovine à partir du liquide synovial du tarse d'un taureau, isolement du virus de la. Lamothe, P., Larouche, Y., Marsolais, G., Montpetit, C., Breton, L., Malo, R. et Saint-Pierre, H., 237
Ringworm fungi: more on specimen collection and isolation results. Long, J.R., 12
Ringworm in guinea pigs with griseofulvin in dimethysulfoxide, topical treatment of experimental. Post, K. and Saunders, J.R., 45
Salmonellosis, free flying sparrows as carriers of. Tizard, I.R., Fish, N.A. and Harmeson, J., 143
Toxoplasma abortion in a young sow, isolated, spontaneous. Hunter, B., 116
Viral hepatitis in budgerigars in southern Ontario. Hunter, B., Gagnon, A., Onderka, D., Goltz, J. and Holmes, B., 176

Nutrition
Myopathy and myoglobinuria in feedlot cattle. Chalmers, G.A., DeCaire, M. (Kotva), Zachar, C.J. and Barrett, M.W., 105

Oncology
Cutaneous melanoma in Hampshire swine. Empringham, R.E. and Wilkins, J.N., 112
Progesterone therapy for cats. Nimmo-Wilkie, Judith S., 164

Ovine, *see* Sheep

Parasitology
Eimeria tenella in medicated birds, single and low-level oocyst infections of drug-resistant field strains of. Lee, Eng-Hong, 102
Gastrointestinal nematodes, treatment of feedlot cattle in Alberta for. Stockdale, P.H.G. and Harries, W.N., 223
Heartworm in dogs in Canada in 1978. Slocombe, J.O.D. and McMillan, I., 284
Oesophagostomum species in swine on pasture in the Maritime provinces, transmission of. Smith, H.J., 184
Tapeworms in horses, prevalence and treatment of. Slocombe, J.O.D., 136
Verminous pneumonia (*Muellerius* sp.) in goats. Nimmo, Judith S., 49

Pharmacology
Antibacterial drugs in lactating cows, study of drug residues in milk following intrauterine infusion of. Black, W.D., MacKay, A.L., Doig, P.A. and Claxton, M.J., 354
Sulfamethazine achieved in beef calves on medicated drinking water, blood levels of. Church, T.L., Janzen, E.D., Sisodia, C.S. and Radostits, O.M., 41

Physiology
Actions ecbolique et hormonale de la prostaglandine F_2a synthétique lors de momification foetale chez deux vaches Holstein. Guay, P. et Lamothe, P., 62
Insulin and glucagon in the development of ruminant ketosis, roles for. Brockman, R.P., 121
Serum gammaglobulin concentrations in suckled beef calves, some observations on. Bradley, J.A., Niilo, L. and Dorward, W.J., 227

Pigs, *see* Swine

Reproduction
Abortion in swine associated with *Actinomyces* spp. Palmer, N.C., Kierstead, M. and Wilson, R.W., 199
Actions ecbolique et hormonale de la prostaglandine F_2a synthétique lors de momification foetale chez deux vaches Holstein. Guay, P. et Lamothe, P., 62
Cyclical changes of vaginal cytology in the cat. Mills, Jennifer N., Valli, V.E. and Lumsden, J.H., 95
Effects of increasing concentrations of minocin on the motility of bovine spermatozoa processed in various extenders. Abreo, C.B., King, G.J., McMillan, I. and Reeds, C.R., 233

Egg binding in a western Painted Turtle. Gammie, J.S. and Burt, A.D., 250
Induced parturition in swine herds. King, G.J., Robertson, H.A. and Elliot, J.I., 157
Reproductive performance in dairy cattle, effect of retained placenta and metritis complex on. Sandals, W.C.D., Curtis, R.A., Cote, J.F. and Martin, S.W., 131

Sheep and Goats
Laboratory diagnosis of rabies in western Canada (1968-1977). Bradley, J.A., 186
Malaysian experience with animal disease. Little, P.B., 13
Roles for insulin and glucagon in the development of ruminant ketosis—a review. Brockman, R.P., 121
Six cases of verminous pneumonia (*Muellerius* sp.) in goats. Nimmo, Judith S., 49
Survey of disease conditions in adult and feeder sheep in Saskatchewan. Moteane, M., Middleton, D.M. and Polley, L.R., 2

Surgery
Fixation of spinal fractures in the dog, use of plastic plates for. Dulisch, Mary L. and Withrow, S.J., 326
Surgical management, abomasal involvement in bovine diaphragmatic hernia and. Prasad, B., Singh, Jit, Khanna, A.K., Khianey, N.K. and Kohli, R.N., 26
Surgical repair of a comminuted distal femoral fracture in a dog. Presnell, K.R., 196

Swine
Abortion in swine associated with *Actinomyces* spp. Palmer, N.C., Kierstead, M. and Wilson, R.W., 199
Cutaneous melanoma in Hampshire swine. Empringham, R.E. and Wilkins, J.N., 112
Induced parturition in swine herds. King, G.J., Robertson, H.A. and Elliot, J.I., 157
Isolated, spontaneous *Toxoplasma* abortion in a young sow. Hunter, B., 116
Laboratory diagnosis of rabies in western Canada (1968-1977). Bradley, J.A., 186
Malaysian experience with animal disease. Little, P.B., 13
Porcine parvovirus infection in Ontario: incidence and diagnosis in herds with reproductive failures. Gagnon, A.N. and Dulac, G.C., 337
Proliferative hemorrhagic enteropathy in swine: an outbreak and review of the literature. Yates, W.D.G., Clark, E.G., Osborne, A.D., Enweani, C.C., Radostits, O.M. and Theede, A.T., 261
Review of pseudorabies (Aujeszky's disease) in pigs. Lee, J.Y.S. and Wilson, M.R., 65
Serological survey for Aujeszky's disease in native sows of Canada. Dulac, G.C. and Binns, M., 318
Transmission of *Oesophagostomum* species in swine on pasture in the Maritime provinces. Smith, H.J., 184

Techniques
Cat and small dog insulin diluent. Weiss, C.W., 190
Cat and small dog insulin diluent — a correction. Johnson, Shirley E., 335
Effects of increasing concentrations of minocin on the motility of bovine spermatozoa processed in various extenders. Abreo, C.B., King, G.J., McMillan, I. and Reeds, C.R., 233
Handyman's suction apparatus. Smith, G., 140

Therapeutics
Griseofulvin in dimethylsulfoxide, topical treatment of experimental ringworm in guinea pigs with. Post, K. and Saunders, J.R., 45
Induced parturition in swine herds. King, G.J., Robertson, H.A. and Elliot, J.I., 157
Medicated birds, single and low-level oocyst infections of drug-resistant field strains of *Eimeria tenella* in. Lee, Eng-Hong, 102
Megestrol acetate therapy, hyperglycemia-glucosaria syndrome in cats following. Pukay, B.P., 117
Progesterone therapy for cats. Nimmo-Wilkie, Judith S., 164
Treatment of feedlot cattle in Alberta for gastrointestinal nematodes. Stockdale, P.H.G. and Harries, W.N., 223
Treatment of tapeworms in horses, prevalence and. Slocombe, J.O.D., 136

Toxicology
Mushroom poisoning in a dog. Bernard, M.A., 82

Vaccines
Feline rhinotracheitis-calicivirus-panleukopenia vaccines, efficacy of two commercial. Povey, R.C., 253
Infectious bursal agent vaccination of chicks from infectious bursal agent-vaccinated dams. Ide, P.R., 35
Intranasal infectious bovine rhinotracheitis vaccine, interferon, antibody responses and protection induced by an. Savan, M., Angulo, A.B. and Derbyshire, J.B., 207
Live-virus rhinopneumonitis vaccine attenuated in cell culture, equine herpesvirus 1 infection in mares vaccinated with a. Eaglesome, M.D., Henry, J.N.R. and McKnight, J.D., 145
Vaccination status of dogs urged, clarification of. Chew, K., 291

Veterinary Profession
Adventures of Dr. Duncan McNab McEachran in western Canada. Vokaty, Sandra, 149
Avis de conformité — drogues vétérinaires, 171
Avis de conformité — drogues vétérinaires, 289
Canadian drug legislation and the veterinarian. Kernan, Faye, 293
Canadian veterinarians and international development. Maxie, M.G., 215
CVMA and animal health technicians. Hamilton, G.F., 113
Drug purchasing cooperative. Harris, F.W., 130
Negative image projected. Heath, B., 195
Notices of compliance — veterinary drugs, 168
Notices of compliance — veterinary drugs, 288
Plea for broader advertising of positions in international veterinary medicine. Green, P.D.,
Protocols in medicolegal veterinary medicine I. Identification of cases and preparation for court. Green, P. David, 8
Veterinarian in planned animal health and production. Blood, D.C., 341

Wildlife and Zoo Animals
Egg binding in a western Painted Turtle. Gammie, J.S. and Burt, A.D., 250
Laboratory diagnosis of rabies in western Canada (1968-1977). Bradley, J.A., 186
Malaysian experience with animal disease. Little, P.B., 13
Polioencephalomalacia in white-tailed deer *Odocoileus virginianus* in Saskatchewan. Wobeser, G. and Runge, W., 323